

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(See other instructions on reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF-078039	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Amoco Production Company		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. P.O. Box 800, Denver, Colorado 80201		8. FARM OR LEASE NAME, WELL NO. Brown Federal J #1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1255' FSL 670' FWL UNIT M SW/4SW/4 At top prod. interval reported below At total depth		9. API WELL NO. 3004529029	
10. FIELD AND POOL, OR WILDCAT Blanco Mesaverde		11. SEC., T., R., M., OR BLOCK. AND SURVEY OR AREA Section 13 Township 32N Range 11W	
12. COUNTY OR PARISH San Juan		13. STATE New Mexico	
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED 12/07/93		16. DATE T.D. REACHED 12-21-93	
17. DATE COMPL. (Ready to prod.) 2-23-94		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6223' GR	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 7731'	
21. PLUG, BACK T.D., MD & TVD 7666'		22. IF MULTIPLE COMPL., HOW MANY* 2	
23. INTERVALS DRILLED BY		ROTARY TOOLS YES	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 6 (4502' - 5467') Blanco Mesaverde		CABLE TOOLS NO	
25. WAS DIRECTIONAL SURVEY MADE Yes		26. TYPE ELECTRIC AND OTHER LOGS RUN HRIL w/ CL & GR, DENL Dual Spcd N w/ CL & GR, SPCT Density ETN w/ GR & CL, CBL	
27. WAS WELL CORED		28. CASING RECORD (Report all strings set in well)	
29. LINER RECORD		30. TUBING RECORD	
31. PERFORATION RECORD (Interval, size and number) See Attachment		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED See Attachment	
33.* PRODUCTION DATE FIRST PRODUCTION 2-04-94 PRODUCT METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing WELL STATUS (Producing or shut-in) SI w/o 1st Del		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold TEST WITNESSED BY	
35. LIST OF ATTACHMENTS		36. I hereby certify that the foregoing and attached information is complete and correct as determined from a true and correct record	

CONFIDENTIAL

RECEIVED
MAR 21 1994
OIL CON. DIV

ACCEPTED FOR RECORD

SIGNED Dallas Kalahar TITLE Business Analyst DATE 2/24/94
MAR 10 1994

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

BY

FARMINGTON DISTRICT OFFICE

smm

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			CONFIDENTIAL	OJOA_		2305
				FRLD		2496
				PCCF		2953
				LWIS		3033
				CLFH		4803
				MENF		4890
				PNLK		5230
				MNCS		5618
				GLLP		6590
				GRNH		7290
				GRAN		7350
				DKTA		7430
				MRSN		7665
				TD		7731

RUWL (1-25-94). Set tbg, RBP & set @ 5630' and press tst to 2000 psi; Held OK! RIH & dmpd 1 sx sd on RBP.

Perf: RIH & perf Point Lookout w/ 4 " HSCG w/ 2 JSPF, 120 deg phased, .5 hole, 22.7gram charge. Perf fr 5462'-5467', 5389'-5397', 5348'-5358', 5286'-5300', 5232'-5260'. Hole full, SWIFN.

Frac: RU frac equip & press tst lines. Pmpd ball off dn csg w/ 210 1.1 SG balls @ 40 BPM. Press up to 3500 psi 3 times, total bbls pmpd = 13,500 gals. Press dropd off to 0 psi. RUWL & RIH w/ GR & JB for 7" csg and knocked off balls. Rec 84 balls. RU to frac MV intv fr 5232'-5467'.

Pmpd 20,063 gals Boragel gel wtr pad @ 41 BPM. Pmpd 7005 gals gel w/ 1.5 PPG 12/20 sd @ 55 BPM. Pmpd 6999 gals gel w/ 2.5 PPG 12/20 sd @ 52 BPM. Pmpd 4302 gals gel w/ 3.5 PPG 12/20 sd @ 49 BPM. Went to displ & pmpd 8362 gals KCL wtr. AIR 58 BPM, AIP 90 psi. Sd pmpd = 500sx. Total vol = 47,291 gals or 1126 bbls. Well on vacum. RUWL, RIH & chkd fill. Tagged up @ 5647'.

RU to refrac MV (Point Lookout) intv fr 5232'-5467' by pmpg 18,619 gals Boragel G329 @ 48 BPM. Pmpd 8373 gals of gel w/ 1/5 PPG 12/20 sd @ 53 BPM. Pmpd 6910 gals of gel w/ 2.5 PPG of 12/20 sd @ 50 BPM. Pmpd 7086 gals gel w/ 2.5 PPG 12/20 sd @ 48 BPM. Pmpd 7095 gals of gel w/ 4.5 PPG 12/20 sd @ 44 BPM. Pmpd 6964 gals of gel w/ 6.0 PPG 12/20 sd @ 44 BPM and displ frac w/ 8220 gals of clay fix wtr. Total sd pmpd = 1298 sx, total vol = 69,304 gals or 1650 bbls at AIR of 55 BPM and AIP of 75 psi. Well on vacum. SWI.

Perf: RUWL & RIH and set RBP @ 5210' and press tst to 2000 psi, Held OK! RIH & dmpd 1 sx sd on RBP. RIH and perf MV (Menefee) w/ 4 HSCG w/ 2 JSPF, 120 deg phased w/ 22 gram charge .5 hole fr: 5178'-5184', 5154'-5156', 5128'-5134', 5108'-5114', 5092'-5098', 5080'-5084', 5062'-5066', 5032'-5038', 5012'-5020', 4984'-4990', 4960'-4968', 4928'-4932'. SWIFN.

Frac: RU frac equip and press tst lines. Pmpd ball off on MV perf intv 4928'-5184'. Pmpd 11,498 gals of clay fix wtr @ 35 BPM. Pmpd 234 balls press up 3350 psi. Hit balls 2nd time & started to PI. Rlsd press. Nipple dn frac hd & equip. RUWL & RIH and knocked off balls. Rec 85 balls, 65 hits. Frac Menefee by pmpg gel & foam 70 quality & 16/30 sd. Pmpd 6434 cln gals pad w/ 198K SCF N2 @ bot hole foam rate of 52 BPM @ 992 psi. Pmpd 2778 gals w/ 108K SCF N2 w/ 1 PPG 16/30 sd @ bot hole rate of 41 BPM @ 1488 psi. Pmpd 51164 gals w/ 2 PPG 13/30 sd w/ 164K SCF N2 @ bot hole rate of 40 BPM @ 1383 psi. Pmpd 5383 gals gel w/ 2.5 PPG w/ 164K SCF N2 @ 39 BPM bot hole rate @ 1371 psi. Pmpd 3859 gals gel w/ 3 PPG 16/3 sd w/ 113K SCF N2 @ 38.9 BPM bot hole rate @ 1381 psi. Pmpd 3089 gals gel w/ 4 PPG 16/30 sd w/ 84K SCF N2 @ 38.9 BPM bot hole rate @ 1369 psi. Pmpd 2350 gals gel w/ 5 PPG 16/30 sd w/ 59K SCF N2 @ 39 BPM bot hole rate @ 1369 psi. Pmpd displ of 7861 gals of treated wtr w/ 3K SCF N2 @ 23 BPM bot hole rate @ 709 psi. Shut down. AIR 36 BPM, AIP 1081 psi, Avg fluid rate 17 BPM surf, Avg N2 rate 14,859 SCF/min. Total fluid pmpd = 31,307 gals or 745 bbls; total sd = 1300 sx. Nipple dn frac hd & equip.

Perf: RUWL & RIH w/ RBP & set @ 4094' and press tst to 2100 psi, Held OK! RIH & dmpd 2 sx sd on RBP. RIH & perf MV (Cliff House) w/ 4" HSCG w/ 2 JSPF w/ 22.7 gram charge w/ .5 hole fr: 4846'-4888', 4834'-4840', 4808'-4828', 4670'-4674', 4656'-4660', 4612'-4616', 4502'-4510'. SWIFN.

Frac: RU frac hd & equip and press tst lines. Pmpd ball off w/ 285 balls w/ 15,625 gals KCL wtr at avg rate of 40 bbls/min. Press up 3 times, max press = 3600 psi. RUWL & RIH w/ 7 JB & GR knocked off balls. Rec 166 balls, had 132 hits. Frac MV (Cliff House). 1st try pmpd 14,958 gals gel w/ 70 quality foam w/ 315,830 SCF N2. Lost HTR on N2 pumper. Sucked in 3 O-rings into N2 rate mtr. Fixed mtr. Restart frac by pmpg total of 36,126 gals w/ 1,317,006 SCF N2 w/ 70 quality foam. Total sd = 2000 sx went fr 1 lb sd to 2 lb to 2.5 lb to 3 lb to 4 lb to 5 lb sd. Avg bot hole rate = 44 BPM, AIP = 1503 psi. Displ w/ 3600 gals KCL. Screened out half way thru displ. SWI & RD frac equip. NU and flw back tree, SWI overnight. Circ hole cln and clnd out sd. Flwd to tank.

CONFIDENTIAL